

DOCUMENT NO. _____
NO CHANGE IN CLASS. ☒
DECLASSIFIED
CLASS. CHANGED TO: TS ^S ₁
NEXT REVIEW DATE: 2012
AUTH: HR 70-2
DATE 10/2/82 REVIEWER:

CXC-6344-64
Copy 2 of 8

23 January 1964

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MEMORANDUM FOR THE RECORD

SUBJECT : J58 Development Test Hour Status Requested by FAA

1. The following has been requested of Pratt & Whitney
by

a. Total full scale J58 (JT11) engine test hours accumulated to date.

b. Total J58 (JT11) full scale engine and compressor component test hours accumulated to date at simulated supersonic flight conditions. (List hours versus each significant mach number condition.)

2. As far as Headquarters knows, the following information has been made available to certain USAF and Navy personnel in "confidential" semi-annual progress reports covering the period through April 1962:

Total J58 engine test hours	3350
J58 engine test hours at or above	
Mach 1.5	328
Mach 2.0	201
Mach 2.5	52
Mach 3.0	23

Testing of the engine with Mach 3.2 environmental conditions at the engine inlet has been conducted.

3. At present, Headquarters records indicate that the J58 development status is:

Total J58 engine test hours	11,226
JT11D-20 engine test hours	8,290
JT11D-20 engine hours at or above Mach 2.0	1,947
JT11D-20 engine hours at or above Mach 3.0	1,312

OKC-6344-64

Relating this status to previous engine programs such as the J57 and J75, it becomes apparent that the J58/JT11 program is in the vicinity of a 150 hour Mission Qualification Test.

ASD/OSA

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Robert [redacted] ASD/OSA:gp (23 January 1964)

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